



LISTING OF THE CLAIMS

This listing of claims will replace the prior version of claims in the application.

What is claimed is:

CLAIMS

What is claimed is:

1. (Original) A snap ring, comprising:
 2. a ring with an interior contour that extends about an opening and has a first interior edge bordering a first face of the snap ring and a second interior edge bordering a second face of the snap ring, the first interior edge having a cross-sectional profile that includes die roll, and the second interior edge having a cross-sectional profile that is blunted.
 1. 2. (Original) The snap ring of claim 1, wherein said blunted cross-sectional profile is a rounded profile at least at a point within a region of the interior contour where contact with another solid object occurs during installation of the snap ring.
 1. 3. (Original) The snap ring of claim 1, wherein said blunted cross-sectional profile is a beveled profile at least at a point within a region of the interior contour where contact with another solid object occurs during installation of the snap ring.
 1. 4. (Original) The snap ring of claim 2, wherein said rounded profile is characterized by a radius of curvature that is chosen to be in the design range of 40% to 85% of the thickness of the snap ring.

1 5. (Original) The snap ring of claim 3, wherein said beveled profile is characterized
2 by a bevel angle that is chosen to be in the design range of 10 to 40 degrees from the vertical
3 axis.

1 6. (Original) The snap ring of claim 3, wherein said beveled profile is characterized
2 by a bevel depth that is chosen to be in the design range of 60% to 85% of the thickness of the
3 snap ring.

1 7. (Original) An actuator arm assembly for an information storage device,
2 comprising:
3 an actuator; and
4 an actuator pivot bearing; and
5 a snap ring retaining the actuator pivot bearing relative to the actuator, the snap ring
6 having an interior contour that extends about an opening and has a first interior edge bordering a
7 first face of the snap ring and a second interior edge bordering a second face of the snap ring, the
8 first interior edge having a cross-sectional profile that includes die roll, and the second interior
9 edge having a cross-sectional profile that is blunted.

1 8. (Original) The actuator arm assembly of claim 7, wherein said blunted cross-
2 sectional profile is a rounded profile at least at a point within a region of the interior contour
3 where contact with another solid object occurs during installation of the snap ring.

1 9. (Original) The actuator arm assembly of claim 7, wherein said blunted cross-
2 sectional profile is a beveled profile at least at a point within a region of the interior contour
3 where contact with another solid object occurs during installation of the snap ring.

1 10. (Original) The actuator arm assembly of claim 8, wherein said rounded profile is
2 characterized by a radius of curvature that is chosen to be in the design range of 40% to 85% of
3 the thickness of the snap ring.

1 11. (Original) The actuator arm assembly of claim 9, wherein said beveled profile is
2 characterized by a bevel angle that is chosen to be in the design range of 10 to 40 degrees from
3 the vertical axis.

1 12. (Original) The actuator arm assembly of claim 9, wherein said beveled profile is
2 characterized by a bevel depth that is chosen to be in the design range of 60% to 85% of the
3 thickness of the snap ring.

1 13. (Withdrawn) A method to manufacture a snap ring, comprising:
2 stamping an interior contour that extends about an opening,
3 forming a blunted cross-sectional profile on an edge opposite an edge having die roll
4 caused by said stamping.

1 14. (Withdrawn) The method of claim 13 wherein said forming a blunted cross-
2 sectional profile comprises coining a rounded cross-sectional profile.

1 15. (Withdrawn) The method of claim 13 wherein said forming a blunted cross-
2 sectional profile comprises coining a beveled cross-sectional profile.

1 16. (Withdrawn) A method for assembling an actuator arm assembly in an
2 information storage device, comprising:

3 fabricating a snap ring, wherein said fabricating includes stamping an interior contour
4 that extends about an opening, and forming a blunted cross-sectional profile on an edge opposite
5 an edge having die roll caused by said stamping; and
6 installing the snap ring onto an actuator pivot bearing.

1 17. (Withdrawn) The method of claim 16 wherein said installing includes contact
2 between the snap ring and another solid object in at least one contacting region along the interior
3 contour.

1 18. (Withdrawn) The method of claim 17 wherein said solid object includes an
2 installation cone having a cylindrical cross-section.

1 19. (Withdrawn) The method of claim 17 wherein said forming a blunted cross-
2 sectional profile comprises coining a rounded cross-sectional profile at least in said contacting
3 region.

1 20. (Withdrawn) The method of claim 17 wherein said forming a blunted cross-
2 sectional profile comprises coining a beveled cross-sectional profile at least in said contacting
3 region.